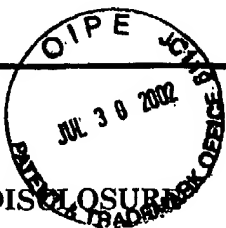


FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number	45421/CAB/W397
Application Number	09/884,183
Filing Date	June 19, 2001
Applicant(s)	Bret S. Weinstein
Group Art Unit	3643
Examiner Name	To be determined

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - kind code <sup>2</sup> . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
				<b>RECEIVED</b>

AUG 01 2002

**FOREIGN PATENT DOCUMENTS**

**GROUP 3600**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>6</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>5</sup> (✓)

**OTHER DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PP		✓ AUSTAD, Steven N.; A Mouse's Tale (Cover Story); Article; April 2002; pp. 1-5; p64(9); American Museum of Natural History.
		✓ BALIN, Arthur; Skin Changes as a Reflection of Biologic Age; Practical Handbook of Human Biologic Age Determination; Chapter 20; 1994; pp. 343-373.
		✓ CAIRNS, John; Mutation Selection and the Natural History of Cancer; Nature; Vol. 255; 1975; pp. 197-200.
		✓ KIPLING, et al.; Hypervariable Ultra-Long Telomeres in Mice; Letters to Nature; pp. 1-3.
		✓ ALEXANDER, Peter; Is There a Relationship Between Aging, The Shortening of Life-Span By Radiation and the Induction of Somatic Mutations?; Perspectives in Experimental Gerontology; Somatic Mutations; Chapter 20; pp. 266-279.
PP		✓ HAMILTON, WD., The Moulding of Senescence By Natural Selection; Journal of Theoretical Biology; Vol. 12; pp. 12-45 (1996).

EXAMINER  
SIGNATURE

*Pete Pung*

DATE  
CONSIDERED

12/11/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

RECEIVED

AUG 01 2002

GROUP 3600

FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/BINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	45421/CAB/W397
Application Number	09/884,183
Filing Date	June 19, 2001
Applicant(s)	Bret S. Weinstein
Group Art Unit	3643
Examiner Name	To be determined

## OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PP	✓	HARLEY, Calvin B., Human Ageing and Telomeres; Human Aging; pp. 129-139;
	✓	HARLEY, et al.; Telomeres Shorten During Ageing of Human Fibroblasts; Nature; Vol. 345; 1990; pp. 458-460.
	✓	MILLER, Richard A., et al.; Mouse ( <i>Mus musculus</i> ) Stocks Derived from Tropical Islands: New Models for Genetic Analysis for Life-History Traits; Journal; 2000; pp. 95-104; J. Zool. Lond. 250; The Zoological Society of London; United Kingdom.
	✓	MILLER, Richard A., et al.; Exotic Mice as Models for Aging Research: Polemic and Prospectus; Journal; 1999; pp. 217-231; Neurobiology of Aging 20; Elsevier Science Inc.
	✓	MILLER, Richard A., et al.; Principles of Animal Use for Gerontological Research; Journal; 2000; pp. B117-B123; Journal of Gerontology: Biological Sciences, Vol. 55A No. 3; The Gerontological Society of America.
	✓	ALLSOPP, Richard C., et al.; Telomere Length Predicts Replicative Capacity of Human Fibroblasts; Journal; November 1992; pp. 10114-10118; Proc. Natl. Acad. Sci. USA, Vol. 89, Biochemistry; The National Academy of Sciences.
	✓	CHANG, Edwin, et al.; Telomere Length and Replicative Aging in Human Vascular Tissues; Journal; November 1995; pp. 11190-11194; Proc. Natl. Acad. Sci. USA, Cell Biology; Vol. 92; The National Academy of Sciences.
	✓	CAMPISI, J., From Cells to Organisms: Can We Learn About Aging from Cells in Culture; Journal; 2001; pp. 607-618; Experimental Gerontology 36; Elsevier Science Inc.
	✓	CAMPISI, J, et al.; 7/Control of Replicative Senescence; Handbook of the Biology of Aging, Fourth Edition; 1996; pp. 121-149.
	✓	BLASCO, Maria A., et al.; Telomere Shortening and Tumor Formation by Mouse Cells Lacking Telomerase RNA; Journal; October 3, 1997; pp. 25-34; Cell, Vol. 91; Cell Press.
PP		GREIDER, Carol. W., Telomerase Activity, Cell Proliferation, and Cancer; Journal; January 1998; pp. 90-92; Proc. Natl. Acad. Sci. USA, Vol. 95; The National Academy of Sciences.

EXAMINER SIGNATURE	<i>Pete Parnes</i>	DATE CONSIDERED	12/16/03
-----------------------	--------------------	--------------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

RECEIVED

AUG 01 2002  
GROUP 3600FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/BINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	45421/CAB/W397
Application Number	09/884,183
Filing Date	June 19, 2001
Applicant(s)	Bret S. Weinstein
Group Art Unit	3643
Examiner Name	To be determined

## OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PP		* FIGUEROA, Reynel, et al.; Telomere Erosion Varies During <i>in Vitro</i> Aging of Normal Human Fibroblasts from Young and Adult Donors; Journal; June 1, 2000; pp. 2770-2774; Cancer Research 60.
		* GREIDER, Carol. W.; Telomeres Do D-Loop-T-Loop; Journal; May 14, 1999; pp. 419-422; Cell, Vol. 97; Cell Press.
		* FARAGHER, Richard G.A., et al.; The Gene Responsible for Werner Syndrome may be a Cell Division "Counting" Gene; Journal; December 1993; pp. 12030-12034; Proc. Natl. Acad. Sci. USA, Vol. 90, Cell Biology; The National Academy of Sciences.
		* CRISTOFALO, Vincent J., et al.; Relationship Between Donor Age and the Replicative Lifespan of Human Cells in Culture: A Reevaluation; Journal; September 1998; pp. 10614-10619; Proc. Natl. Acad. Sci. USA, Vol. 95, Cell Biology; The National Academy of Sciences.
		* DE LANGE, Titia; Telomeres and Senescence: Ending the Debate; Article; 1998; pp. 334-335; Science: 279.
		* GRIFFITH, Jeffrey K., et al.; Reduced Telomere DNA Content is Correlated with Genomic Instability and Metastasis in Invasive Human Breast Carcinoma; Report; 1999; pp. 59-64; Breast Cancer Research and Treatment 54; Kluwer Academic Publishers; Netherlands.
		* JENNINGS, B.J., et al.; Early Growth Determines Longevity in Male Rats and may be Related to Telomere Shortening in the Kidney; Journal; 1999; pp. 4-8; FEBS Letters 448; Federation of European Biochemical Societies.
		* LY, Danith H., et al.; Mitotic Misregulation and Human Aging; Report; March 31, 2000; pp. 2486-2492; Vol. 287 Science.
PP		* LI, Yi, et al.; Cellular Proliferative Capacity and Life Span in Small and Large Dogs; Journal; 1996; pp. B403-B408; Journal of Gerontology: Biological Sciences, Vol. 51A, No. 6; The Gerontological Society of America.

EXAMINER SIGNATURE	<i>Pete Puro</i>	DATE CONSIDERED	12/11/03
-----------------------	------------------	--------------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

RECEIVED

AUG 01 2002  
GROUP 3600

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B  <b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	Attorney Docket Number	45421/CAB/W397
	Application Number	09/884,183
	Filing Date	June 19, 2001
	Applicant(s)	Bret S. Weinstein
	Group Art Unit	3643
	Examiner Name	To be determined



OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PP		MEDAWAR, P.B.; An Unsolved Problem of Biology; Lecture; pp. 1-24; Western Printing Services Ltd Bristol; Great Britain.
		RUDOLPH, Karl Lenhard; Longevity, Stress Response, and Cancer in Aging Telomerase-Deficient Mice; Journal; 1999; pp. 701-712; Cell, Vol. 96; Cell Press.
		REZNICK, David N.; Life History Evolution in Guppies ( <i>Poecilia Reticulata</i> ): Guppies as a Model for Studying the Evolutionary Biology of Aging; Journal; 1997; pp. 245-258; Experimental Gerontology, Vol. 32, No. 3; Elsevier Science Inc.; USA.
		RÖHME, Dan; Evidence for a Relationship Between Longevity of Mammalian Species and Life Spans of Normal Fibroblasts <i>in vitro</i> and Erythrocytes <i>in vivo</i> ; Journal; August 1981; pp. 5009-5013; Proc. Natl. Acad. Sci. USA, Cell Biology; The National Academy of Sciences.
		LEE, Han-Woong; et al.; Essential Role of Mouse Telomerase in Highly Proliferative Organs; Articles; April 9, 1998; pp. 569-574; Nature, Vol. 392; Macmillan Publishers Ltd.
		KIM, Nam W., et al.; Specific Association of Human Telomerase Activity with Immortal Cells and Cancer; Reports; December 23, 1994; pp. 2011-2015; Science Vol. 266.
		LANZA, Robert P., et al.; Extension of Cell Life-Span and Telomere Length in Animals Cloned from Senescent Somatic Cells; Reports; April 28, 2000; pp. 665-668; Science Vol. 288.
		SAVRE-TRAIN, Isabelle, et al.; Clonal Heterogeneity in Telomerase Activity and Telomere Length in Tumor-Derived Cell Lines (44505); Journal; 2000; pp. 379-388; P.S.E.B.M. Vol. 223; Society for Experimental Biology and Medicine.
		SHIELDS, Paul G., et al.; Analysis of Telomere Lengths in Cloned Sheep; Report; May 27, 1999; pp. 316-317; Nature, Vol. 399; Macmillan Magazines Ltd.
PP		SHAY, Jerry W., et al.; Telomeres and Telomerase in the Regulation of Human Cellular Aging In: Molecular Biology of Aging; Symposium; 1999; pp. 148-158; Alfred Benzon Symposium 44.

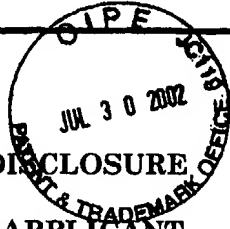
EXAMINER SIGNATURE	<i>Pete Puroff</i>	DATE CONSIDERED	12/11/03
--------------------	--------------------	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)



Attorney Docket Number	45421/CAB/W397
Application Number	09/884,183
Filing Date	June 19, 2001
Applicant(s)	Bret S. Weinstein
Group Art Unit	3643
Examiner Name	To be determined

**OTHER DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
77		WILLIAMS, George C.; Pleiotrophy, Natural Selection, and the Evolution of Senescence; Article; December, 1957; pp. 398-411; Evolution 11.
		WYLLIE, Fiona S., et al.; Telomerase Prevents the Accelerated Cell Ageing of Werner Syndrome Fibroblasts; Article; January 2000; pp. 16-17; Nature Genetics, Vol. 24; Nature America, Inc.
		ULANER, Gary A., et al.; Developmental Regulation of Telomerase Activity in Human Fetal Tissues During Gestation; Journal; 1997; pp. 769-773; Molecular Human Reproduction Vol. 3, No. 9; European Society for Human Reproduction and Embryology.
		WANG, Jing, et al.; Risky Immortalization by Telomerase; Article; June 15, 2000; pp. 755-756; Nature, Vol. 405; Macmillan Magazines Ltd.
		FESTING, Michael F.W.; Warning: The Use of Heterogeneous Mice May Seriously Damage Your Research; Neurobiology of Aging, Elsevier, Vol. 20, (1999) pp. 237-244
77		TYNER, Stuart D., et al.; p53 Mutant Mice that Display Early Ageing-Associated Phenotypes; Article; January 3, 2002; pp. 45-53; Nature, Vol. 415; Macmillan Magazines Ltd.

EXAMINER SIGNATURE	<i>Pete Parang</i>	DATE CONSIDERED	12/11/03
-----------------------	--------------------	--------------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

CAB/mc/blr

BLR PAS449086.1.\*-7/24/02 2:18 PM

**RECEIVED**  
AUG 01 2002  
**GROUP 3600**